MVP-5200 Series

Compact Modular Industrial Computers Based on Intel® Core™ Series 2 Processors and 14/13/12th Gen Intel® Core™ Processors

Features

- Intel® Core™ Series 2 Processors and 14/13/12th Gen Intel® Core™ Processors
- Up to 196GB DDR5 4800MHz Memory
- Operating System Options: Microsoft® Windows® or Linux® Ubuntu
- Scalable with ADLINK AFM (Adaptive Function Module) slot, offering custom I/O arrangement and fast application-specific access
- Rugged, fanless design for 24/7 operation
- Wide-temp operation from -20°C to 60°C
- Front accessible I/O ports, wall mounting supported



Ordering Information

PN	Model Name	CPU	Memory
93-41052-2100	MVP-5209/M64G	i9-12900E	DDR5 64GB
93-41052-4400	MVP-5207/M64G	i7-12700E	DDR5 64GB
93-41052-4000	MVP-5207/M32G	i7-12700E	DDR5 32GB
93-41052-5100	MVP-5207T/M16G	i7-12700TE	DDR5 16GB
93-41052-7200	MVP-5205/M16G	i5-12500E	DDR5 16GB

Packing Lists

PN	Description	QTY
20-C2K0C-0000	Power connector (male)	1
34-33980-2000-A0	Wall mount BKT	1

Optional Accessories

PN	Description
31-62162-1010-A0	AC/DC Adapter, 280W
31-621A0-0010-A0	AC/DC Adapter, 230W

Embedded OS

PN	Description
92-56094-0010	Win10 IoT Ent LTSC 2021 High End
92-56094-2010	Win10 IoT Ent LTSC 2021 Value

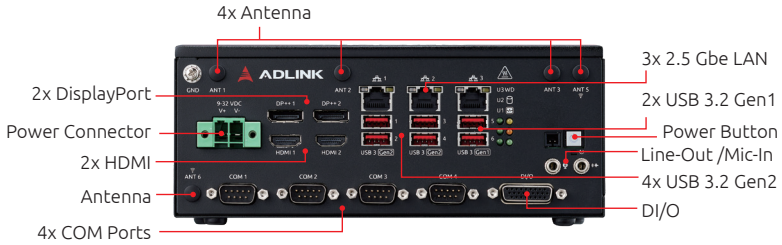
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Specifications

Model	MVP-5200	MVP-5200-3L	MVP-5200-6U
System			
CPU	Intel® Core™ Series 2 Processors and 14/13/12th Gen Intel® Core™ Processors		
RAM	DDR5 3600 MHz (up to 196GB), 4 x SODIMM (Optional: 16/32/64/128GB ECC, only for certain CPU SKU.)		
Storage	2x SATA IIIx (6Gb/s) for 2.5-inch SSD		
OS	Windows 10 IoT Enterprise LTSC, Windows 11 IoT Enterprise LTSC or Ubuntu 22.04		
TPM	TPM 2.0 support		
I/O Interfaces			
Control Button	1 power button and 1 reset button		
HDMI	2x HDMI 1.4b		
DisplayPort	2x DisplayPort 1.4		
USB	6x USB 3.2 Gen2 (Type A) 1x USB 2.0 internal dongle		6x USB 3.2 Gen2 (Type A) 4x USB 3.2 Gen1 (Type A) 2x USB 2.0 Type A 1x USB 2.0 internal dongle
Ethernet (LAN A/B/C)	3x 2.5GBE with TSN supported (i225)	3x 2.5GBE with TSN supported (i225) 3x 2.5GBE with PoE 15W (i226)	3x 2.5GBE with TSN supported (i225)
COM	COM1/2: RS-232/422/485 COM3/4: RS-232	COM1: RS-232/422/485	COM1/2: RS-232/422/485
Digital	8 DI and 8 DO		
Audio	(Speaker-out) Line-out, MIC-IN		
SMA Antenna Connector	6		
LED Indicator	1 storage, 1 WDT, 1 diagnostic and 3 user-dfined		
Extension Slots			
M.2	1x A+E Key 2230, 1x B Key 3052/3042, and 1x M Key 2280		
Power Supply			
DC Input	9 to 32V, 280W adapter (optional)		
Mechanical			
Dimensions (W x D x H)	210mm x 240mm x 86mm (8.27" x 9.45" x 3.39")		
Weight	4.9 kg (10.73 lbs)		
Mounting	Wall mount		
Environmental			
Operating Temperature	-20°C to 60°C (35W CPU) -20°C to 50°C (65W CPU)		
Operating Humidity	~95% @ 40°C (non-condensing)		
Storage Temperature	-40°C to 85°C		
Operating Vibration	Operating: 5Grms, random, 5-500Hz, 3 axes (w/SSD)	Operating: 3Grms, random, 5-500Hz, 3 axes (w/SSD)	
Operating Shock	Operating: 50G, half sine 11ms duration (w/SSD)		
ESD	Contact +/-4KV, Air +/-8KV		
Regulatory	EN61000-6-4/-2, CE & FCC Class A, UL/cUL, CB, BIS, MIL-STD-810G		

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I/O View



MVP-5200



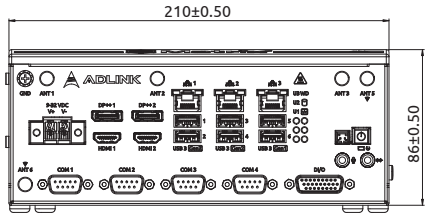
MVP-5200-3L

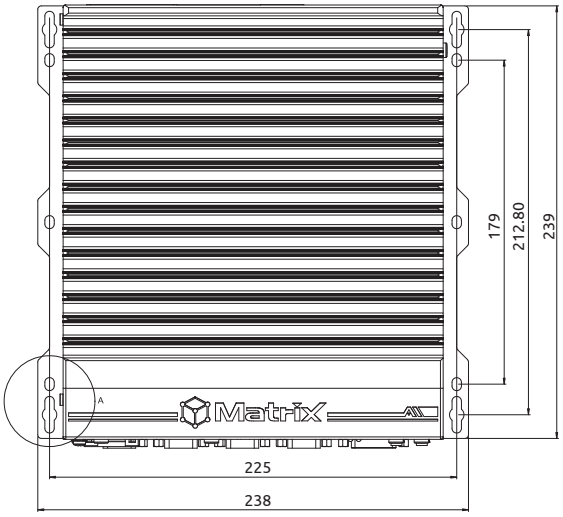


MVP-5200-6U

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Product Dimensions and Illustration





CPU Support List

Family	Number	CPU Core	Cache	Processor Base Power	Since BIOS
Alder Lake	i9-12900E	16	30 MB	65 W	1.03.10
Alder Lake	i9-12900TE	16	30 MB	35 W	1.03.10
Alder Lake	i7-12700E	12	25 MB	65 W	1.03.10
Alder Lake	i7-12700TE	12	25 MB	35 W	1.03.10
Alder Lake	i5-12500E	6	18 MB	65 W	1.03.10
Alder Lake	i5-12500TE	6	18 MB	35 W	1.03.10
Alder Lake	i3-12100E	4	12 MB	65 W	1.03.10
Alder Lake	i3-12100TE	4	12 MB	35 W	1.03.10
Raptor Lake	i9-13900E	24	36 MB	65 W	2.08.10
Raptor Lake	i9-13900TE	24	36 MB	35 W	2.08.10
Raptor Lake	i7-13700E	16	30 MB	65 W	2.08.10
Raptor Lake	i7-13700TE	16	30 MB	35 W	2.08.10
Raptor Lake	i5-13500E	14	24 MB	65 W	2.08.10
Raptor Lake	i5-13500TE	14	24 MB	35 W	2.08.10
Raptor Lake	i3-13100E	4	12 MB	65 W	2.08.10
Raptor Lake	i3-13100TE	4	12 MB	35 W	2.08.10
Raptor Lake Refresh	i9-14900	24	36 MB	65 W	2.08.10
Raptor Lake Refresh	i7-14700	20	28 MB	65 W	2.13.10
Raptor Lake Refresh	i5-14500	14	24 MB	65 W	2.13.10
Raptor Lake Refresh	i3-14100	4	5 MB	60 W	2.13.10

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